

Figure 3.1

Typical Backfill Detail for
Pile Caps and Grade Beams

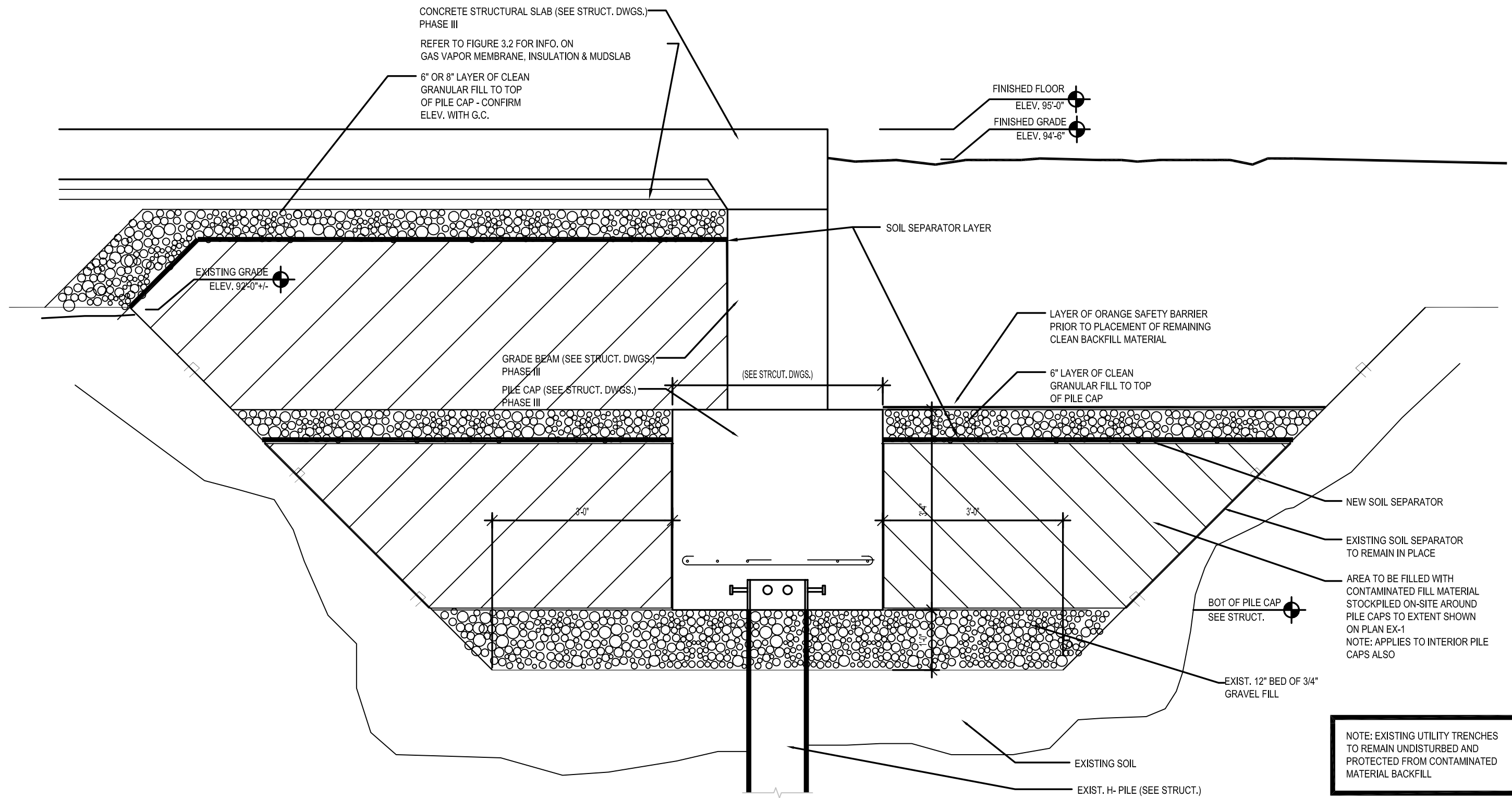


Figure 3.2

Detail on Gas Vapor
Membrane, Insulation &
Mudslab

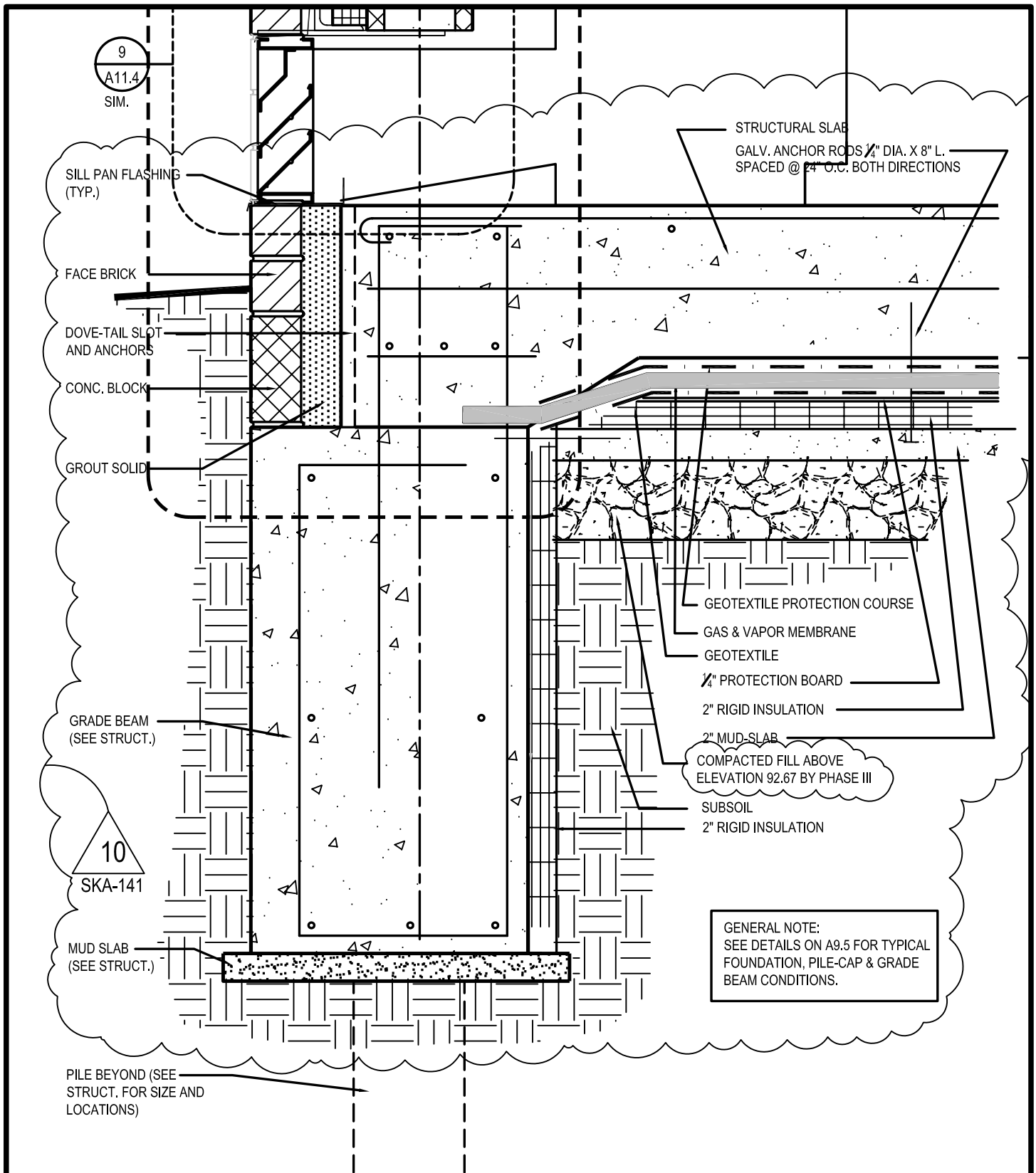


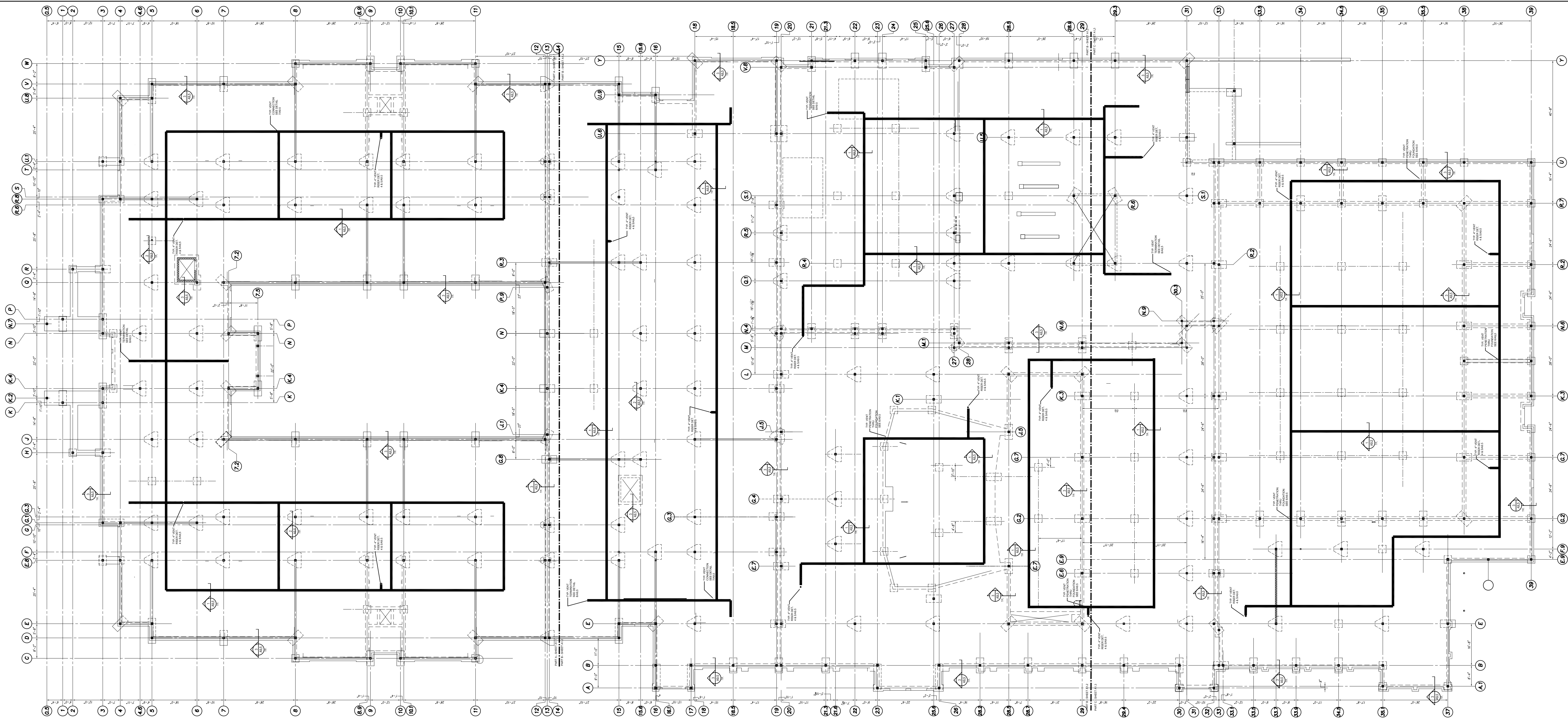
Figure 4

Gas Vapor Barrier &
Venting Plan Details

Draft Risk-Based Cleanup Request

FIGURE 4

Figure 4 – Gas Vapor Barrier & Venting Plan Details – Hardcopy only (extracted from Phase III Contract Documents A9.5). See BETA hardcopy of Risk-Based Cleanup Request. Above “title block” was taped over A9.5 and copied.



UNDER SLAB GAS VAPOR MEMBRANE & VENTING PLAN

1" = 20'-0"

- NOTES:
1. THIS PLAN IS A DIAGRAMMATIC REPRESENTATION OF A POTENTIAL VENTING LAYOUT & RISER LOCATION PLAN. FINAL COORDINATION & LAYOUT TO BE INCLUDED AS PART OF THE SUBMITTAL PROCESS AND APPROVED BY THE ARCHITECT.
 2. A VENT RISER IS TO BE PROVIDED FOR EVERY 7500 S.F. OF UNDER SLAB AREA. THIS CONTRACTOR TO LEAVE A 6" STUB ABOVE THE FIN. F.L. FOR CONTINUATION THRU THE ROOF BY PLUMBING SUB-CONTRACTOR.
 3. FOR PILE CAP & GRADE BEAM LAYOUT & DETAILS REFER TO STRUCTURAL DRAWINGS S1.1 THRU S1.3.
 4. FOR BELOW SLAB PLUMBING LAYOUT REFER TO DRAWINGS P1.1 THRU P1.3.
 5. A COMPLETE GAS MEMBRANE & VENTING SYSTEM INSTALLATION TO BE PERFORMED BY DIV. 07100.

CONSULTANTS

REVISIONS

PROJECT NUMBER

KEITH MIDDLE SCHOOL
New Bedford, Ma.

20005.00

DRAWING TITLE

GAS VAPOR BARRIER & VENTING PLAN & DETAILS

Mount Vernon Group Architects, Inc.
20 Cabot Road
Woburn, Massachusetts 01801

781 937 9720 T
781 937 9728 F
info@mvgarchitects.com E

SEAL

SCALE AS NOTED

DRAWN BY

CHECKED

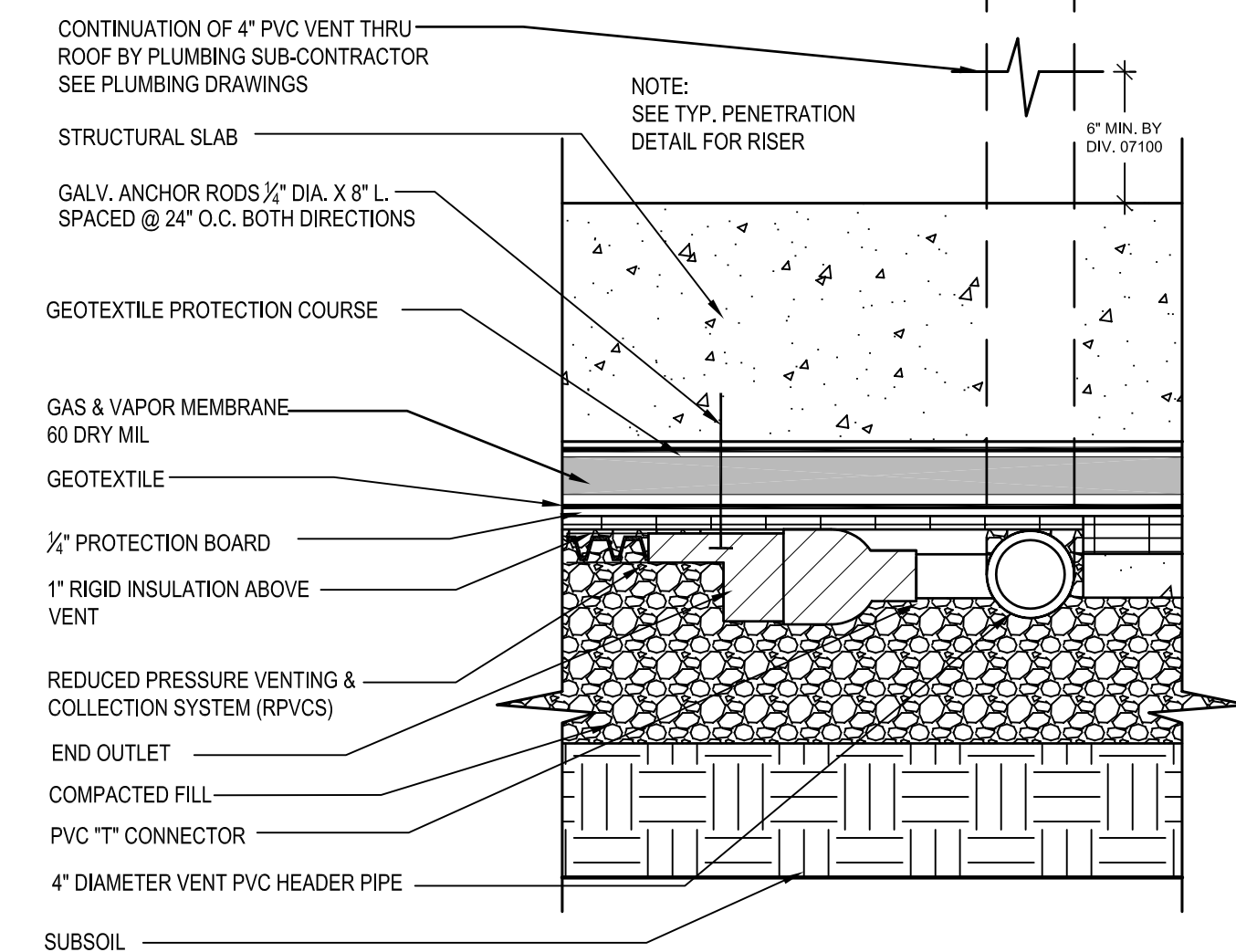
DATE

DRAWING NUMBER

MEMBRANE & VENT DETAIL

1 1/2" = 1'-0"

1 TYPICAL



VENT CONNECTION TO HEADER PIPE & RISER

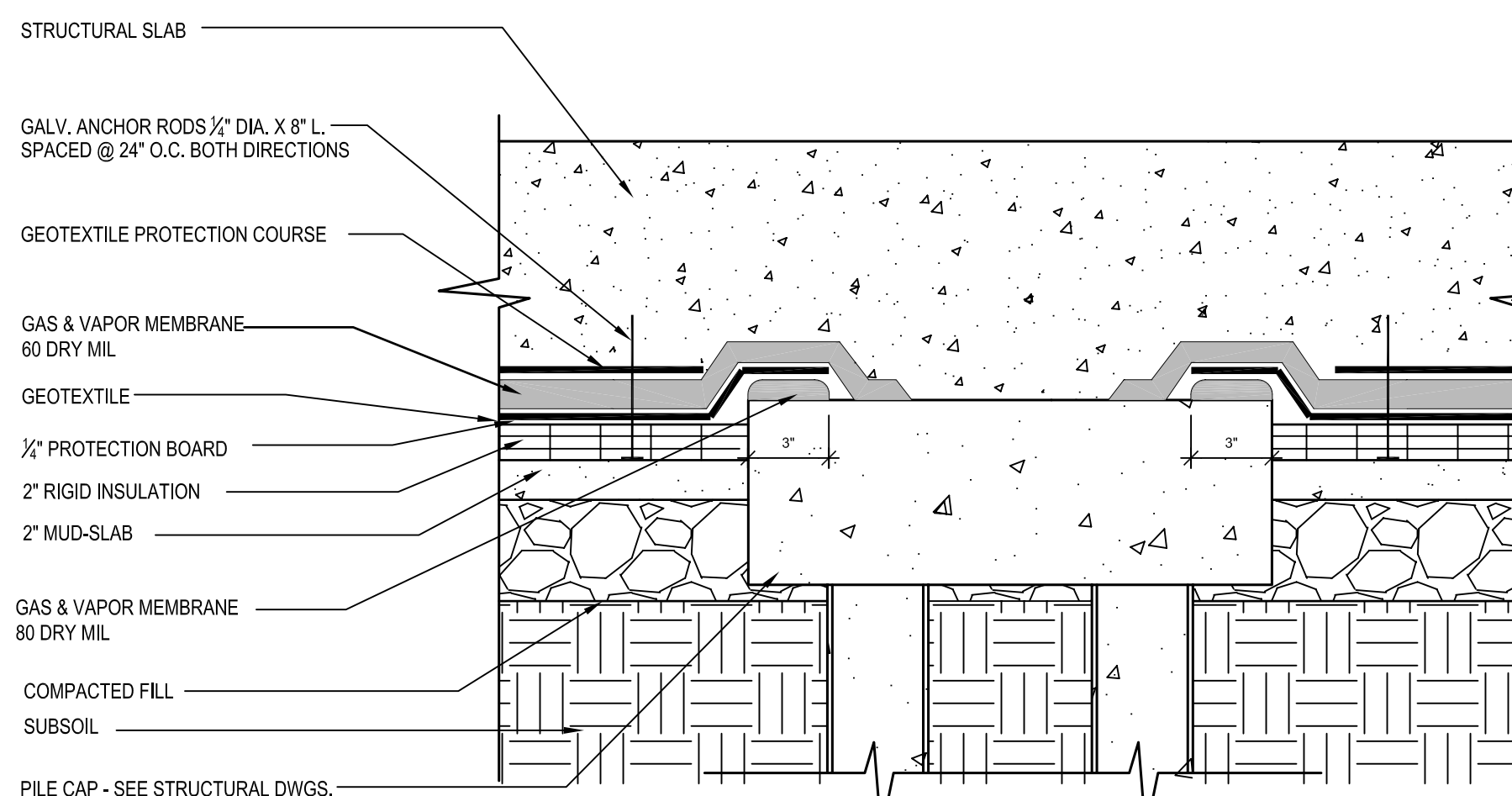
1 1/2" = 1'-0"

1 TYPICAL

MEMBRANE AT PILE CAP

1 1/2" = 1'-0"

2 TYPICAL



VENT THRU FOUNDATION

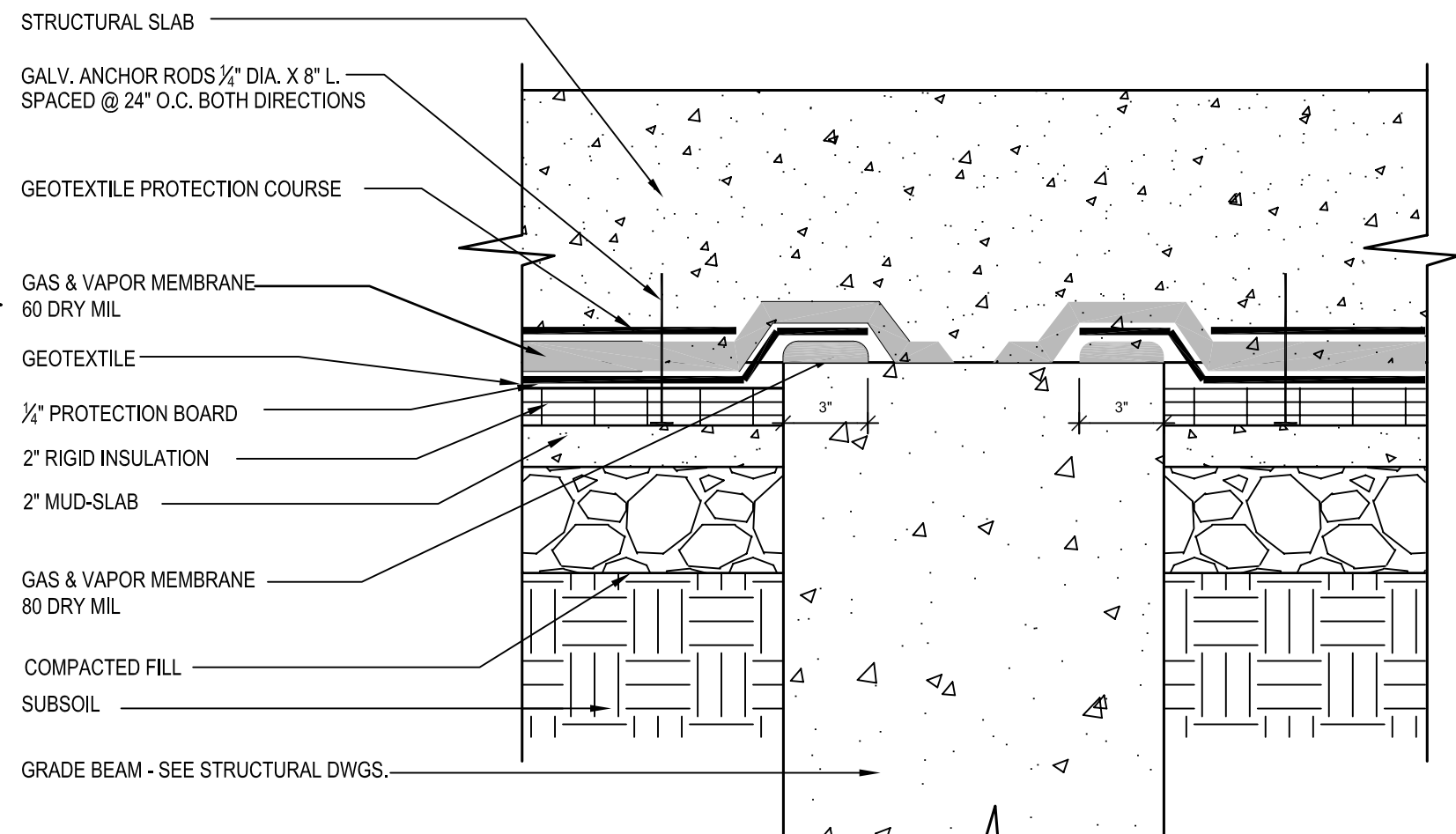
1 1/2" = 1'-0"

2 TYPICAL

MEMBRANE AT GRADE BEAM

1 1/2" = 1'-0"

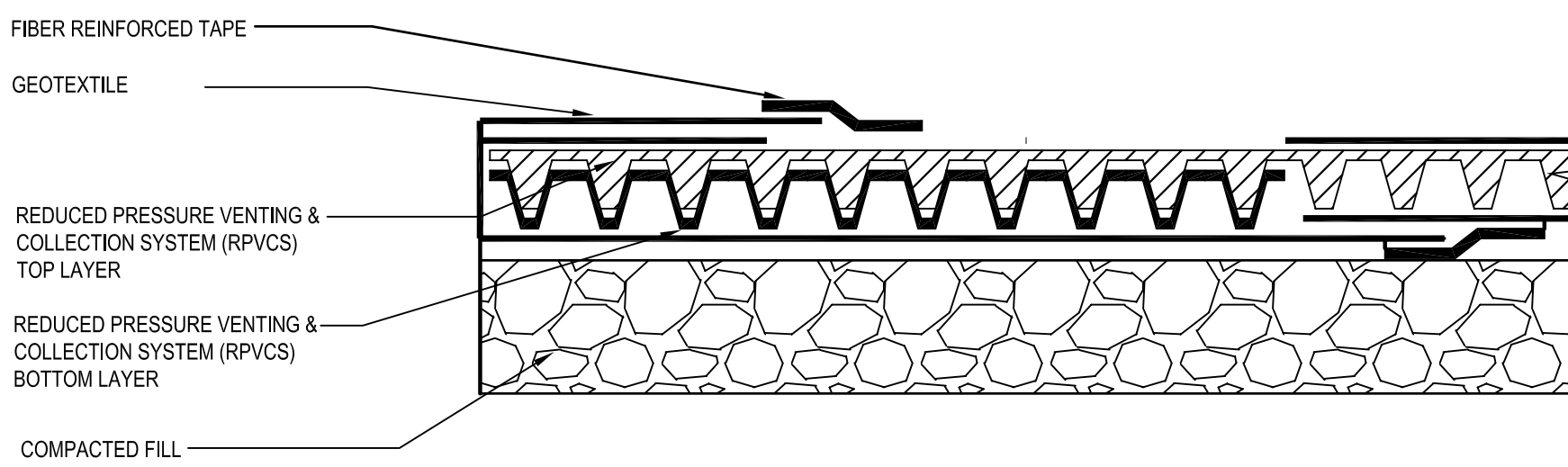
3 TYPICAL



(RPVCS) VENT CONNECTION

1 1/2" = 1'-0"

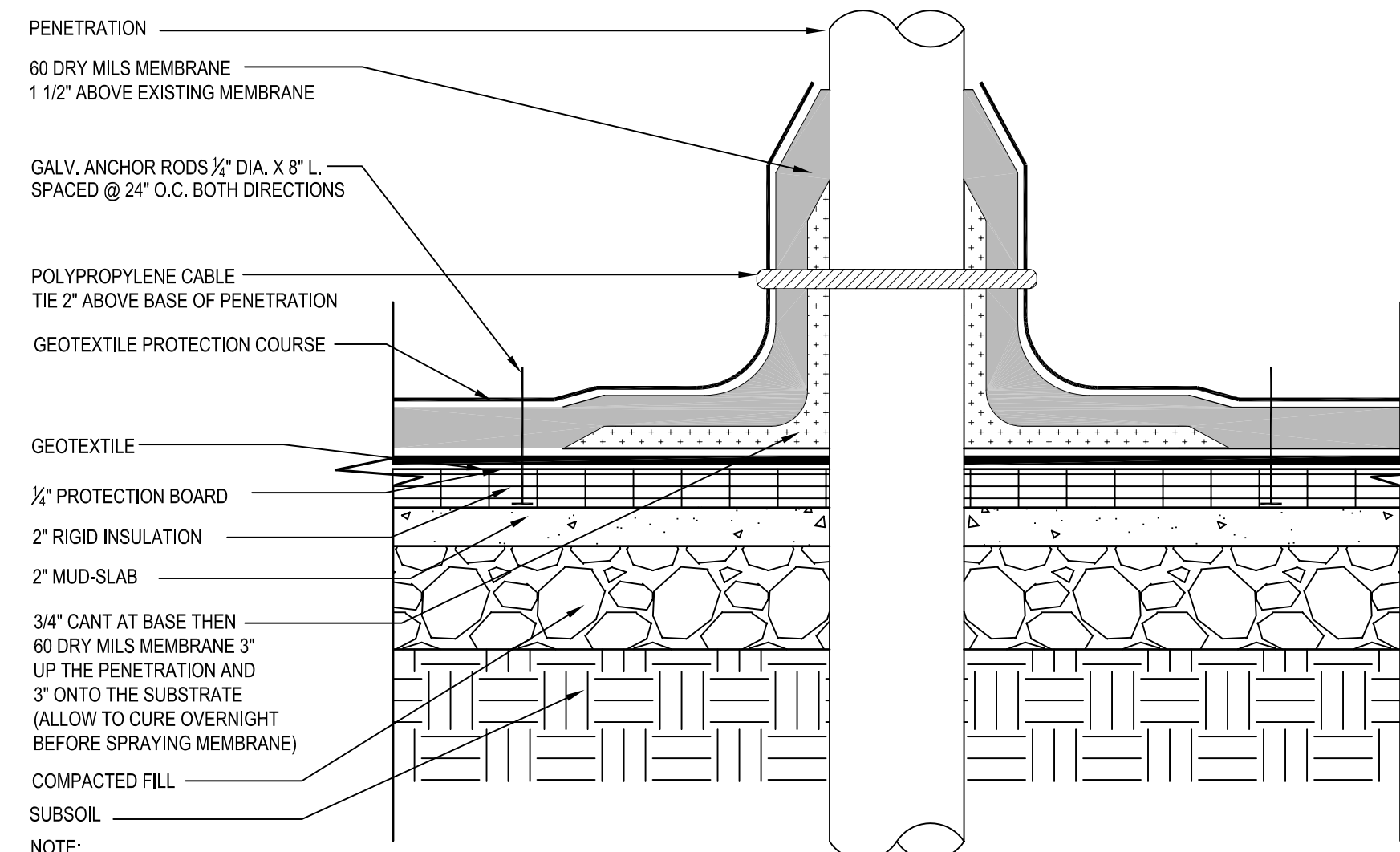
3 TYPICAL



TYPICAL PENETRATION

1 1/2" = 1'-0"

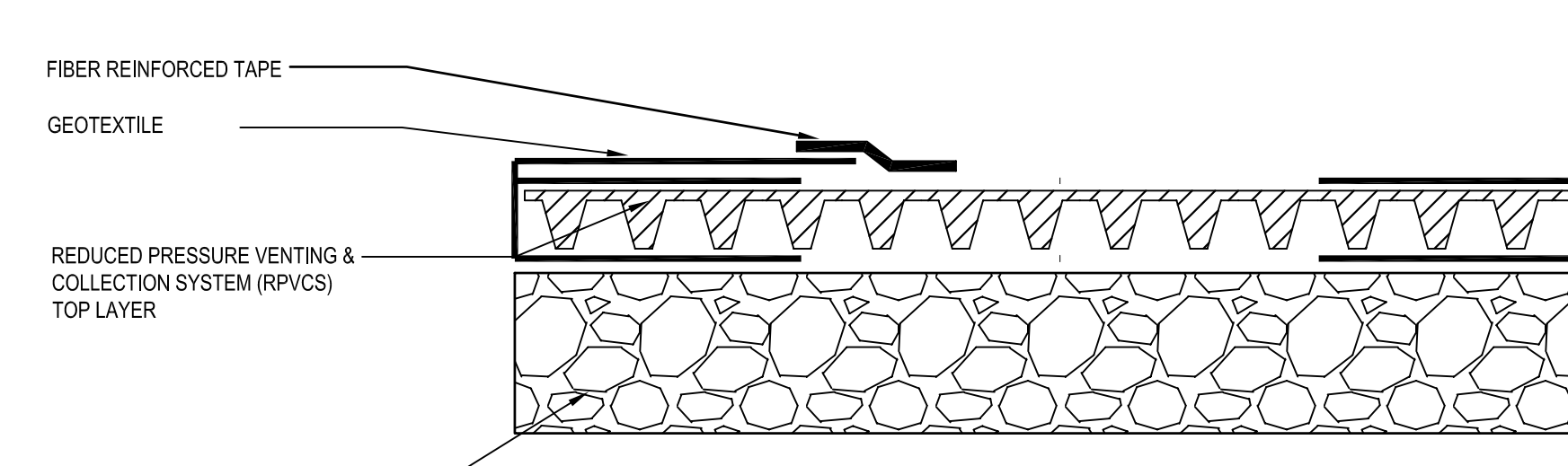
4 TYPICAL



(RPVCS) VENT TERMINATION

1 1/2" = 1'-0"

4 TYPICAL



A9.5

Figure 5

Paved Area Cross Section

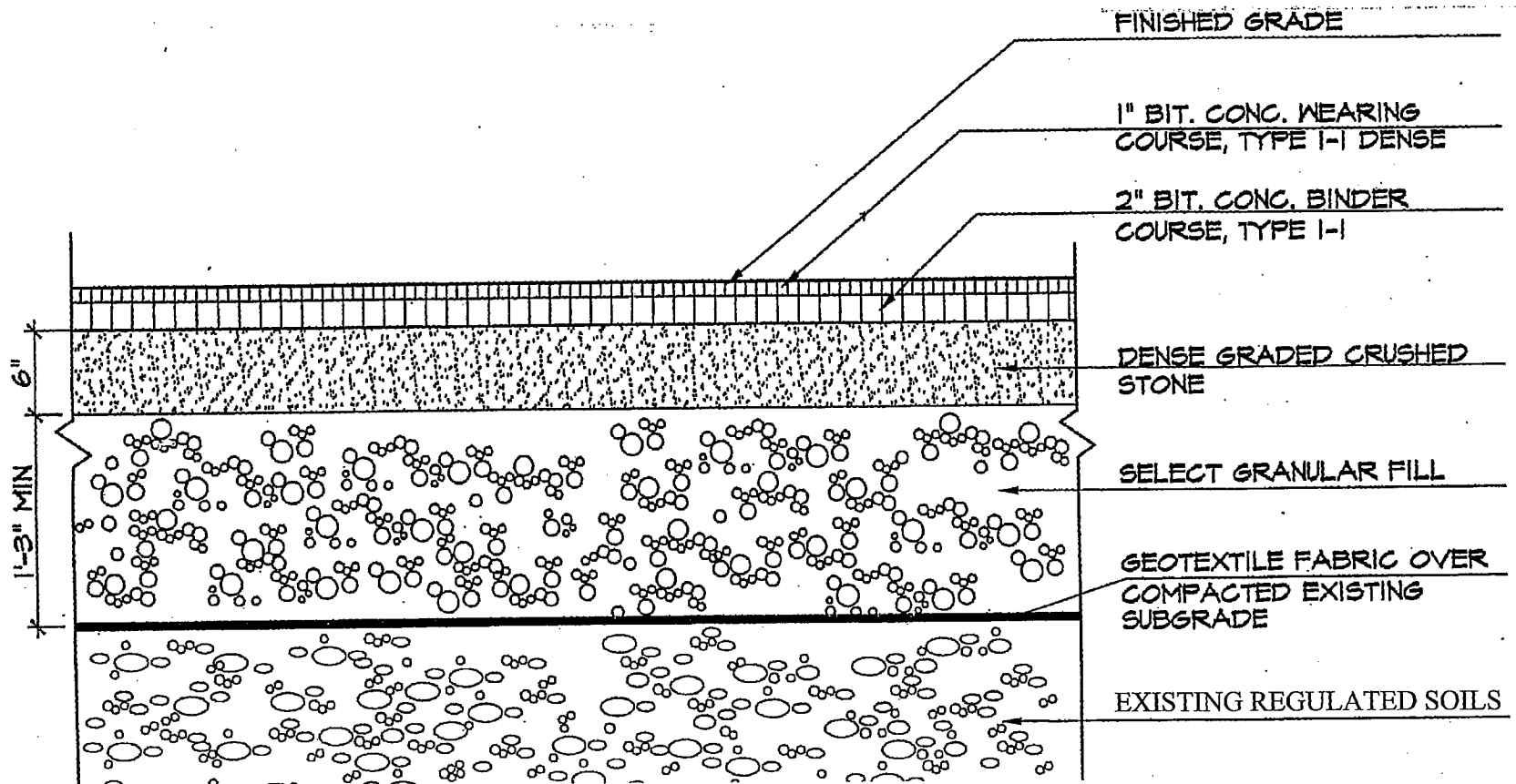
Draft Risk-Based Cleanup Request

FIGURE 5

Figure 5 – Paved Area Cross-Sections – Hardcopy only (extracted from Phase III Contract Documents L6). See BETA hardcopy of Risk-Based Cleanup Request. Above “title block” was taped over L6 and copied.



Draft Risk-Based Cleanup Request
 FIGURE 5 Section 3/L6 Revision 1



SECTION

3

BITUMINOUS CONCRETE ROADWAY PAVEMENT

L6

SCALE: 1"=1'-0"



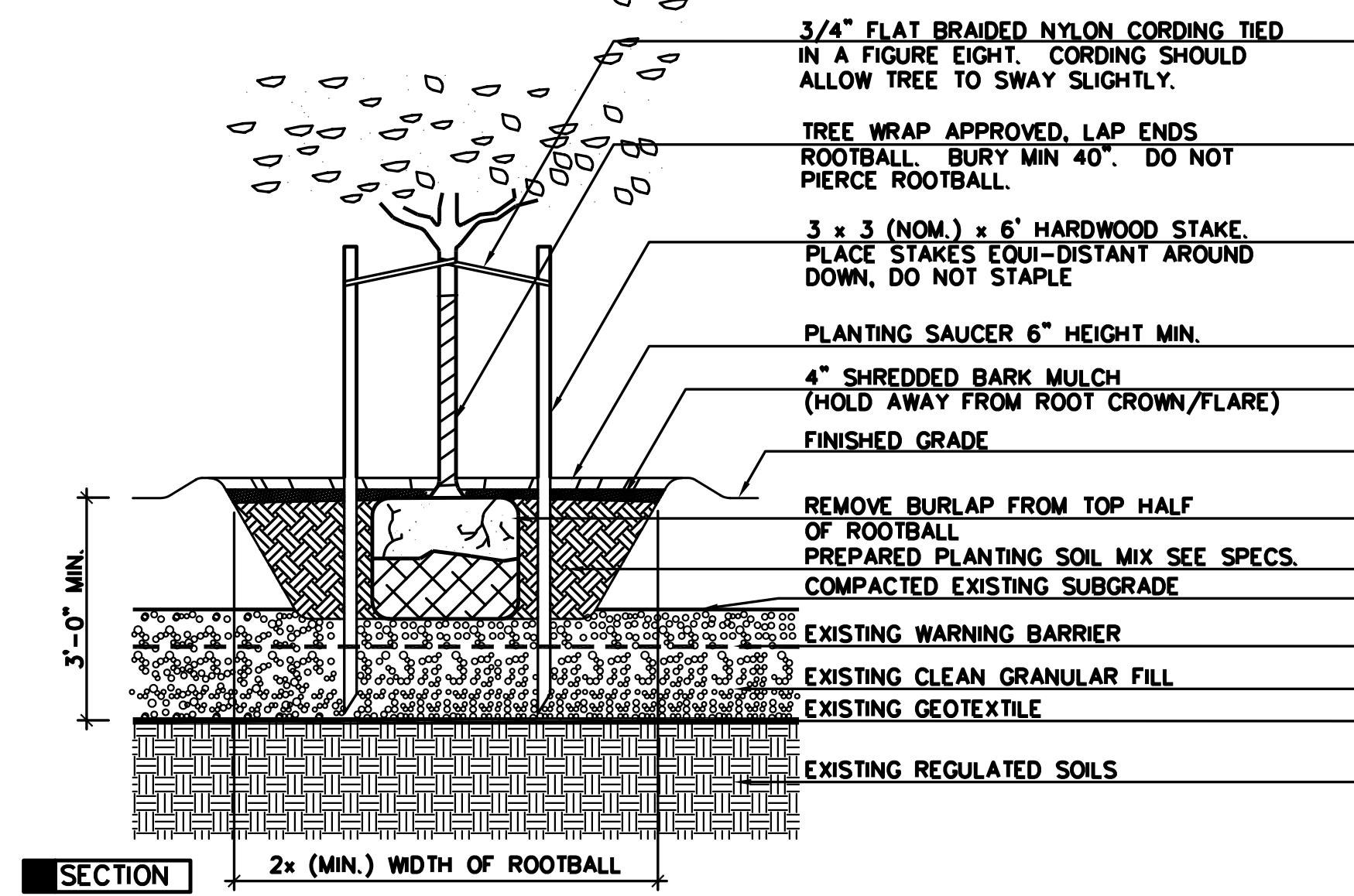
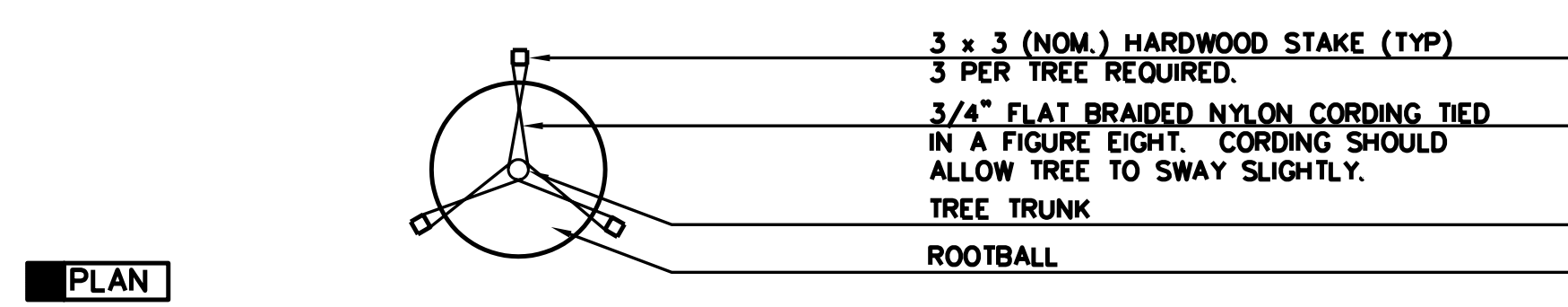
Figure 6

Landscaped Area
Cross Section

Draft Risk-Based Cleanup Request

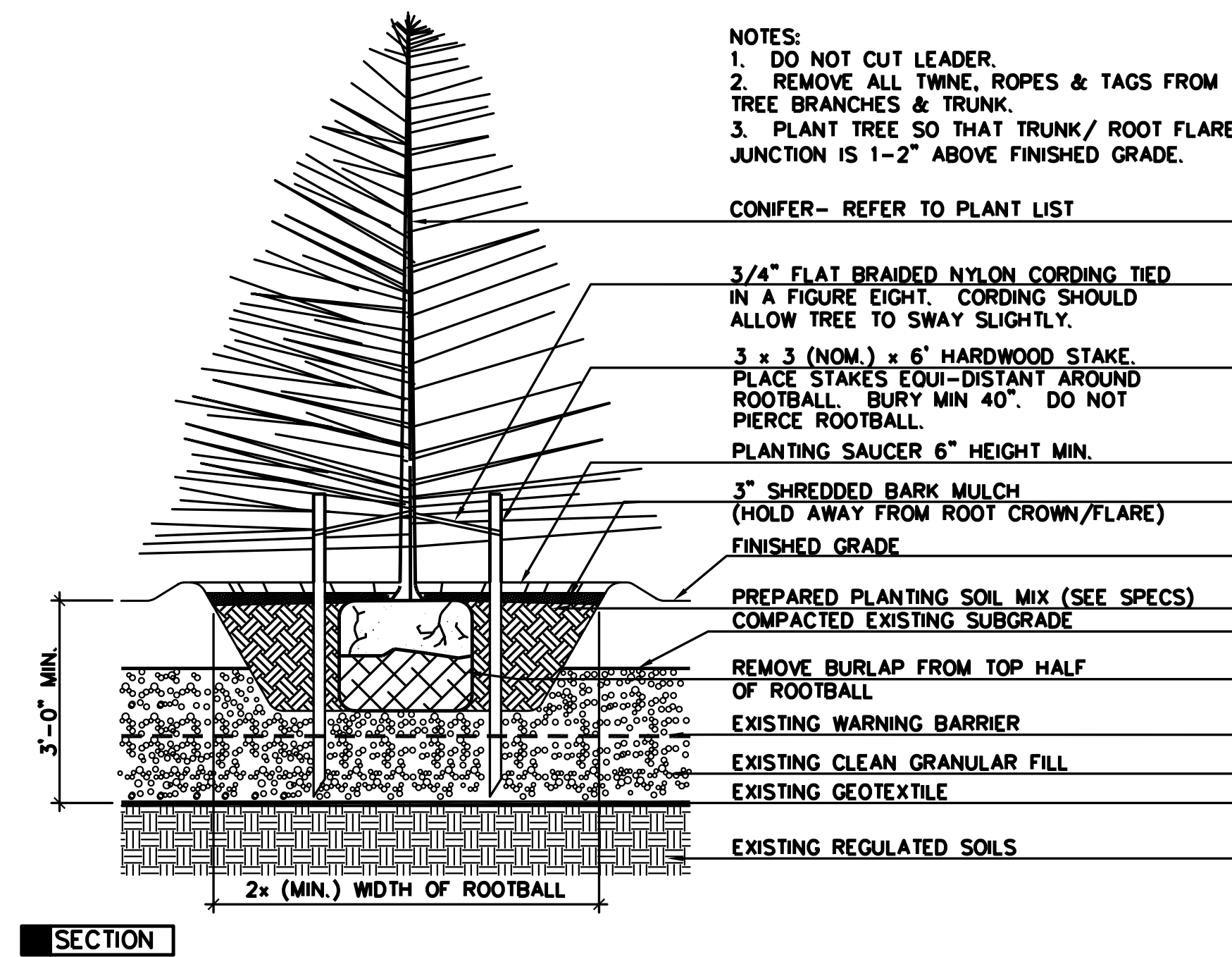
FIGURE 6

Figure 4 – Landscaped Area Cross-Sections – Hardcopy only (extracted from Phase III Contract Documents L9). See BETA hardcopy of Risk-Based Cleanup Request. Above “title block” was taped over L9 and copied.



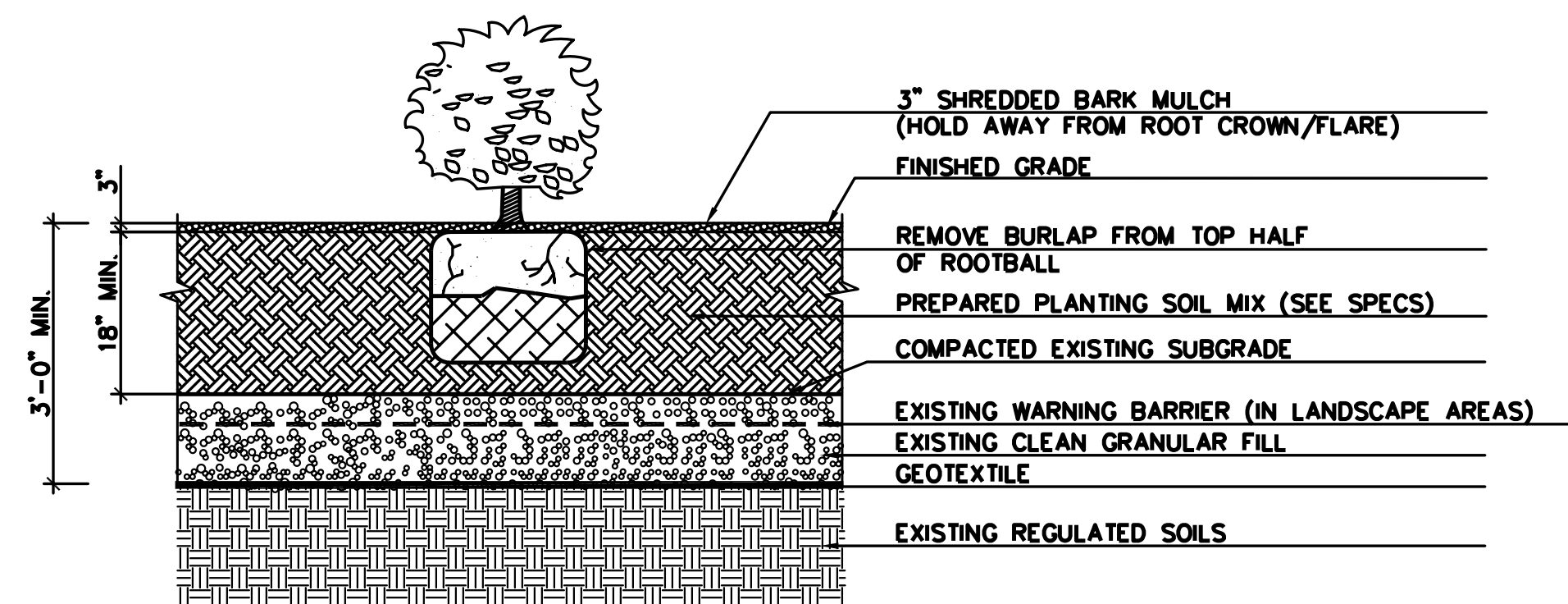
- NOTES:
- DO NOT CUT MAIN LEADER.
 - REMOVE ALL TWINE, ROPES & TAGS FROM TREE BRANCHES & TRUNK.
 - PLANT TREE SO THAT TRUNK/ ROOT FLARE JUNCTION IS 1-2\"

1 DECIDUOUS TREE PLANTING AND STAKING SCALE: N.T.S.

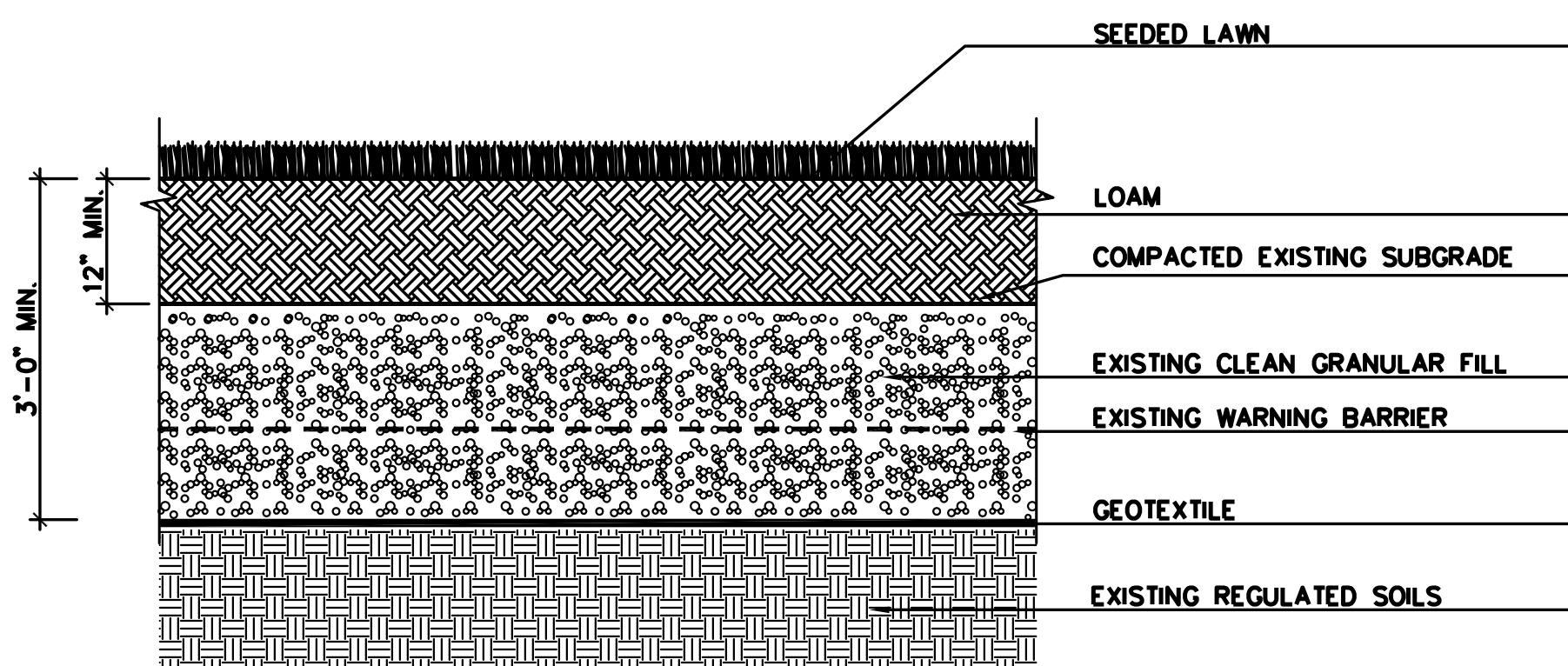


- NOTES:
- DO NOT CUT MAIN LEADER.
 - REMOVE ALL TWINE, ROPES & TAGS FROM TREE BRANCHES & TRUNK.
 - PLANT TREE SO THAT TRUNK/ ROOT FLARE JUNCTION IS 1-2\"

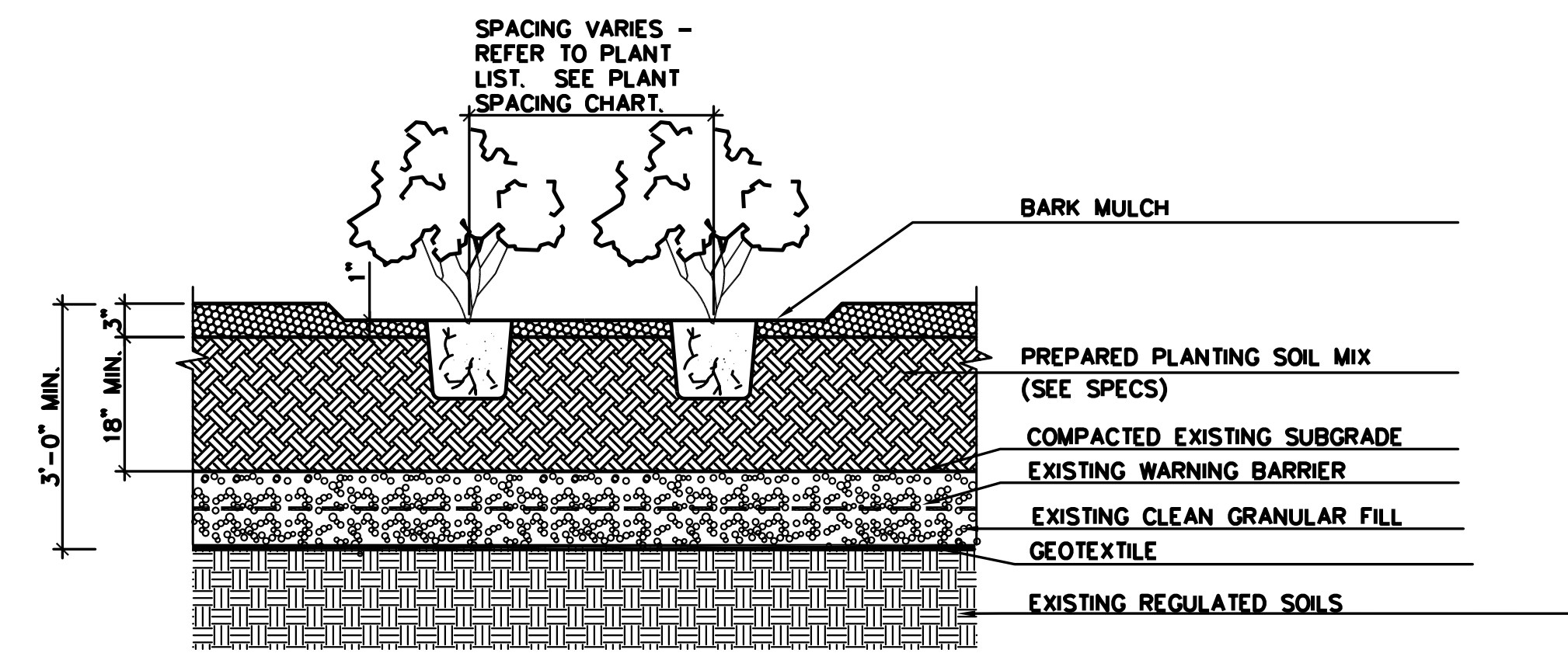
2 CONIFEROUS TREE PLANTING AND STAKING SCALE: N.T.S.



3 SHRUB PLANTING SCALE: N.T.S.



4 LAWN SEEDING SCALE: N.T.S.



5 PERENNIAL / GROUNDCOVER PLANTING SCALE: N.T.S.

FOR USE WHEN PLANTS ARE TO BE SPACED EQUIDISTANT FROM ONE ANOTHER AS SHOWN

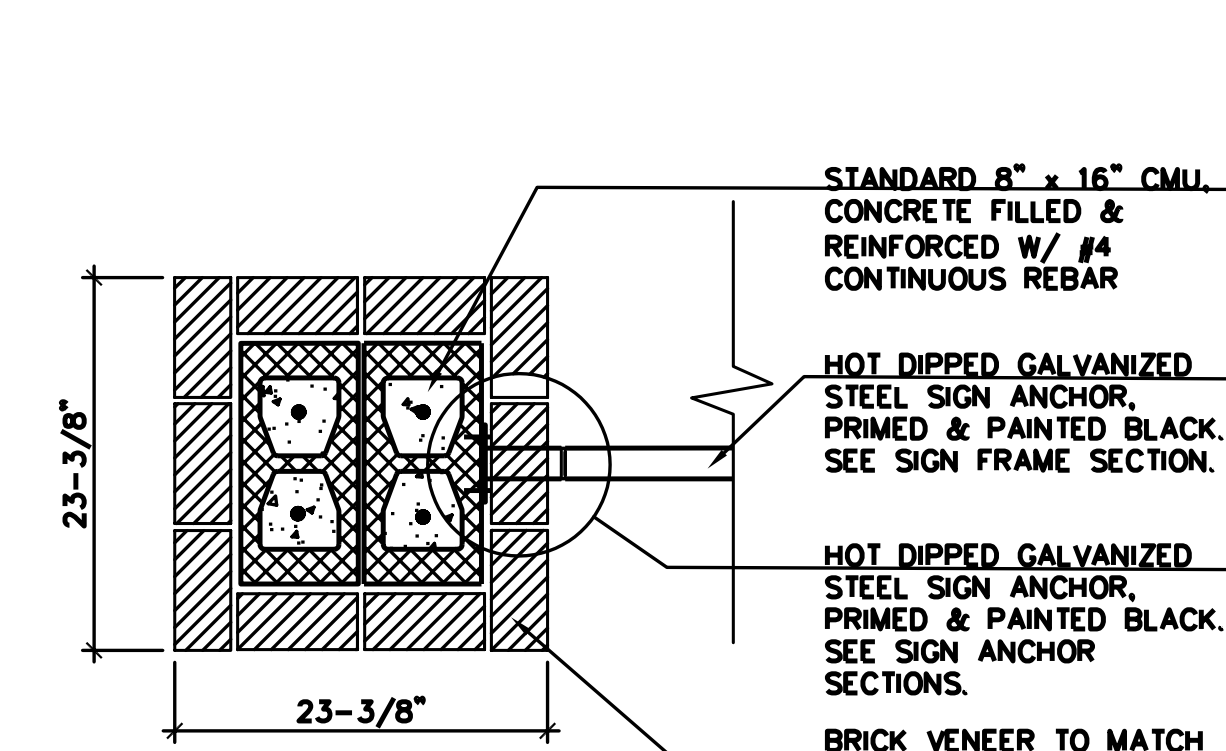
R=ROW SPACING
P=PLANT SPACING

NO. OF PLANTS = AREA/AREA PER PLANT
AREA PER PLANT = R X P

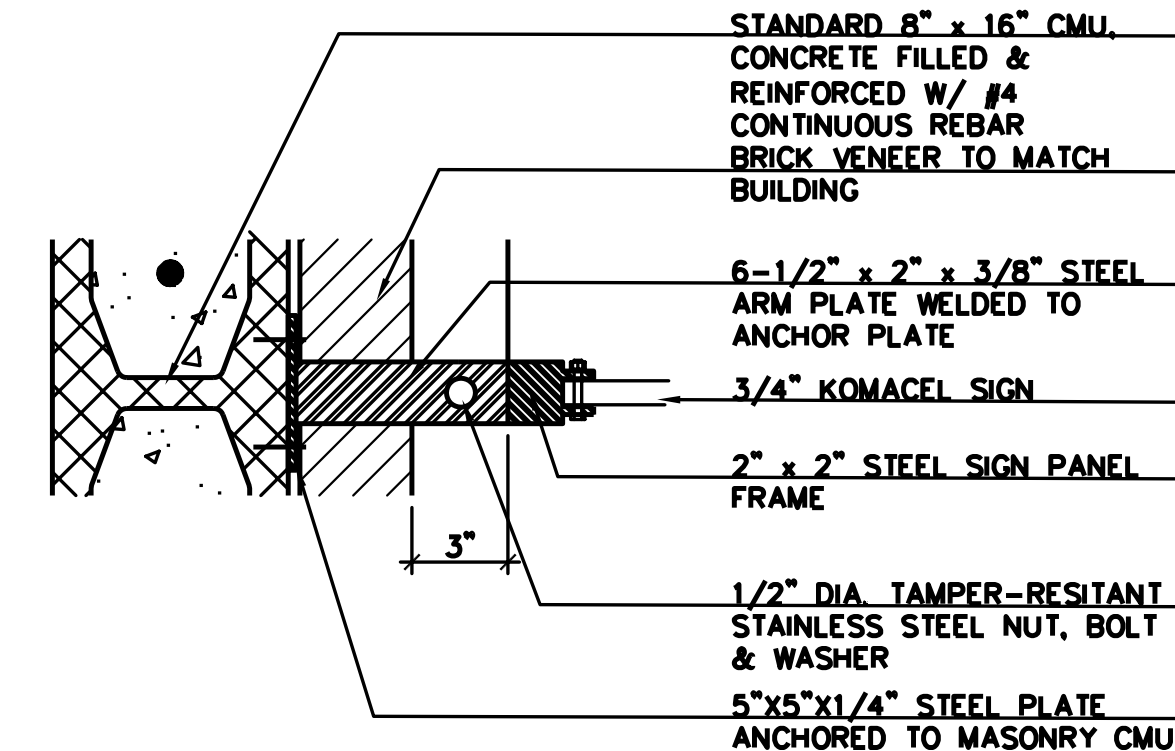
SPACING "p"	ROW "R"	NO. OF PLANTS	AREA UNIT
6" O.C.	5.20'	4.61	1 SQ. FT.
8" O.C.	6.96'	2.80	
10" O.C.	8.66'	1.66	
12" O.C.	10.40'	1.15	
15" O.C.	13.00'	0.73	
18" O.C.	15.60'	0.52	
24" O.C.	20.80'	0.29	
30" O.C.	26.00'	0.18	
36" O.C.	30.00'	0.12	

SPACING "p"	ROW "R"	NO. OF PLANTS	AREA UNIT
4' O.C.	3.46'	7.25	100 SQ. FT.
5' O.C.	4.33'	4.61	
6' O.C.	5.20'	3.20	
8' O.C.	6.93'	1.80	
10' O.C.	8.66'	1.16	
12' O.C.	10.40'	0.80	
15' O.C.	13.00'	0.51	
20' O.C.	17.30'	0.28	
25' O.C.	21.65'	0.18	
30' O.C.	26.00'	0.12	
40' O.C.	34.60'	0.22	10,000 SQ. FT.

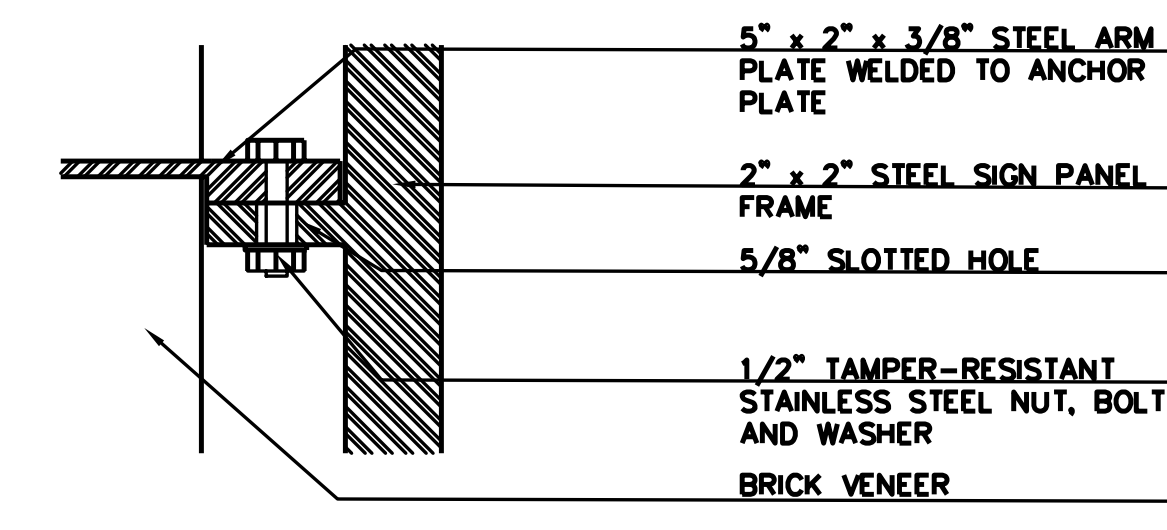
6 PLANT SPACING CHART SCALE: N.T.S.



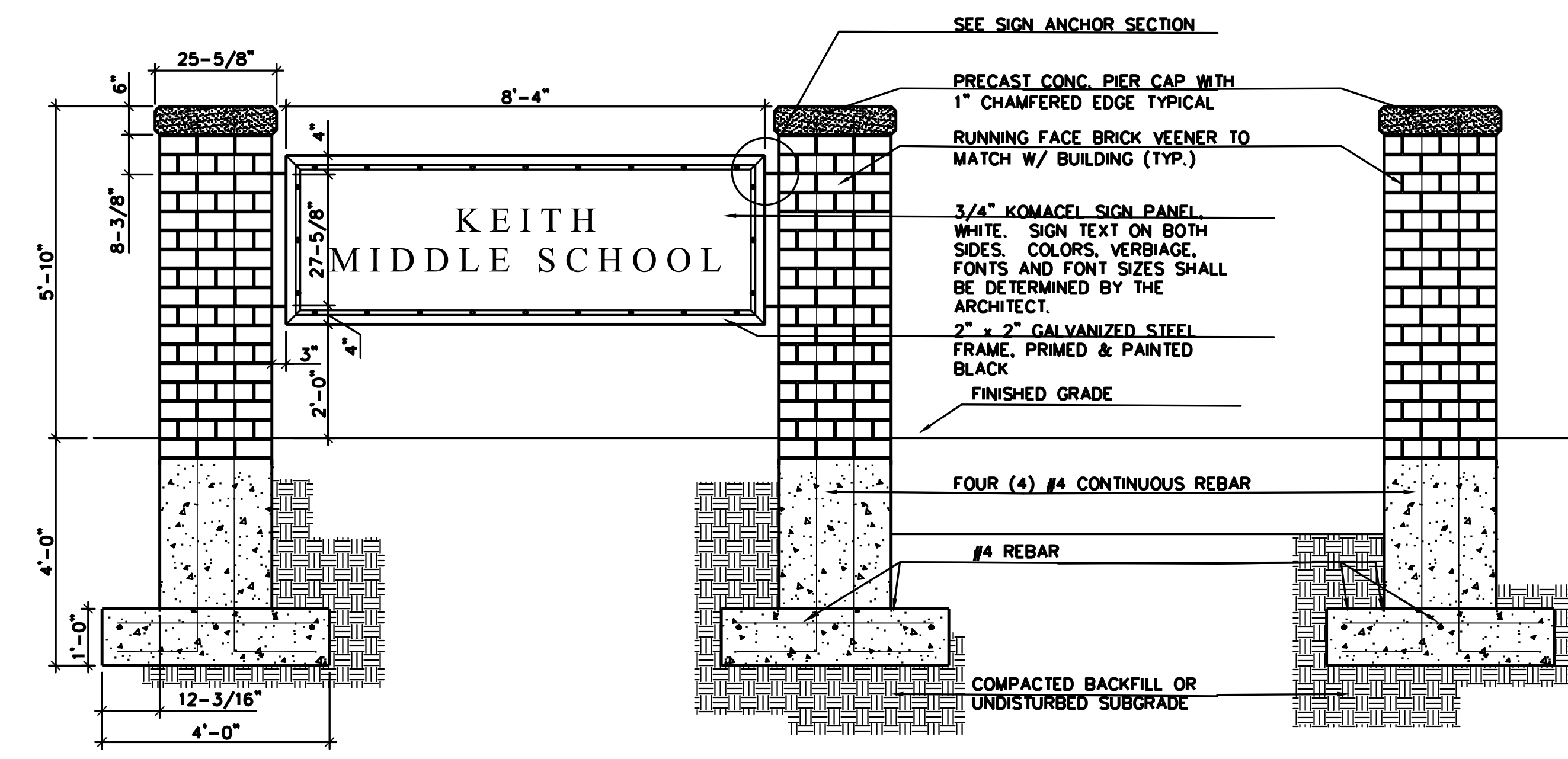
PIER CROSS SECTION: 1\"



SIGN ANCHOR CROSS SECTION: 2\"

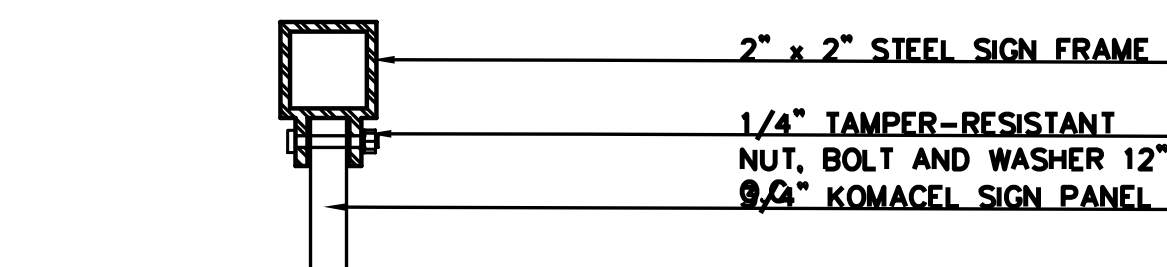


SIGN ANCHOR SECTION: 3\"



SECTION: 1/2\"

6 SCHOOL IDENTIFICATION SIGN SCALE: AS NOTED



SIGN FRAME SECTION: 3\"

- NOTES:
- SUBMIT SHOP DRAWINGS FOR ALL COMPONENTS INCLUDING SIGN AND FRAME FOR APPROVAL BY THE ARCHITECT.
 - REINFORCEMENT SHALL MAINTAIN 2\"
 - CONSTRUCTION OF BRICK PIER MASONRY SHALL CLOSELY MATCH CONSTRUCTION OF BUILDING EXTERIOR WALLS.
 - SIGN COLORS, VERBAGE, FONTS AND FONT SIZES SHALL BE DETERMINED BY THE ARCHITECT.
 - ALL SIGN FRAME HARDWARE SHALL BE TAMPER-RESISTANT.
 - ALL EXPOSED STEEL SIGN FRAME MEMBERS SHALL BE HOT-DIPPED GALVANIZED, PRIMED & PAINTED BLACK.
 - REFER TO SPECIFICATION SECTION 05500 MISC. METALS FOR SIGN FRAME AND 0900 FOR FINISH PAINT.
 - MASONRY PIERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 04200 UNIT MASONRY.

CONSULTANTS

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REVISIONS

NO.	DESCRIPTION	DATE
1	ENTIRE DWG.	5/13/05
2	SKL-12	12/13/04
3	SKL-2	11/01/04

PROJECT NUMBER

20005.00

KEITH MIDDLE SCHOOL
New Bedford, MA
PHASE III

DRAWING TITLE

SITE DETAILS

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ARCHITECTS

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781 937 9720 F
info@mvgarchitects.com E

SCALE

AS NOTED

DRAWN BY

PAT

CHECKED

BWGJAM

DATE

OCTOBER 6, 2004

DRAWING NUMBER

Figure 7

Distribution of PCB
Concentrations

Figure 7

